

**Amendments to the Claims:**

This listing of Claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A method of optimizing data throughput in a circuit switched mobile radio connection, said method comprising:

determining the highest number of substreams to be used for data in said mobile radio connection;

allocating said highest number of substreams to be used for data in said mobile radio connection;

monitoring a quality of a radio interface;

adjusting said mobile radio connection to use fewer substreams of data than said highest number of substreams if said quality of said radio interface is below a predefined level; and

retaining any allocated substreams that have become unused for a duration of the connection.

2. (Previously Presented) The method according to claim 1, wherein said highest number of substreams are allocated on a per radio frequency timeslots basis.

3. (Previously Presented) The method according to claim 1, wherein said highest number of substreams are allocated on a per connection basis.

4. (Previously Presented) The method according to claim 1, wherein said highest number of substreams is determined based on a number of timeslots allotted to said mobile radio connection.

5. (Previously Presented) The method according to claim 4, wherein said highest number of substreams is determined based on a user requested data rate for said mobile radio connection.
6. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing a coding scheme thereof.
7. (Original) The method according to claim 6, wherein said coding scheme is changed via in-band signaling.
8. (Original) The method according to claim 6, wherein said coding scheme is changed via a combination of in-band and out-band signaling.
9. (Original) The method according to claim 7, further comprising sending quality measurements of said radio interface via in-band signaling.
10. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing a modulation scheme thereof.
11. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing an allotted number of radio frequency timeslots thereof.
12. (Previously Presented) A mobile communication system for supporting a circuit switched mobile radio connection, comprising:
  - a base transceiver station;
  - a mobile services switching center; and
  - a base station controller connected to said base transceiver station and said mobile services switching center, said base station controller configured to:

determine the highest number of substreams that may be used for data in said mobile radio connection;

allocate said highest number of substreams to be used for data in said mobile radio connection;

monitor a quality of a radio interface;

adjust said mobile radio connection to use fewer substreams of data than said highest number of substreams if said quality of said radio interface is below a predefined level; and

retaining any allocated substreams that have become unused for a duration of the connection.

13. (Previously Presented) The system according to claim 12, wherein said highest number of substreams are allocated on a per radio frequency timeslots basis.

14. (Previously Presented) The system according to claim 12, wherein said highest number of substreams are allocated on a per connection basis.

15. (Previously Presented) The system according to claim 12, wherein said highest number of substreams is determined based on a number of timeslots allotted to said mobile radio connection.

16. (Previously Presented) The system according to claim 15, wherein said highest number of substreams is determined based on a user requested data rate for said mobile radio connection.

17. (Original) The system according to claim 12, wherein said mobile radio connection is adjusted by changing a coding scheme thereof.

18. (Original) The system according to claim 17, wherein said coding scheme is changed via in-band signaling.

19. (Original) The system according to claim 17, wherein said coding scheme is changed via a combination of in-band and out-band signaling.

20. (Original) The system according to claim 18, further comprising sending quality measurements of said radio interface via in-band signaling.

21. (Original) The system according to claim 12, wherein said mobile radio connection is adjusted by changing a modulation scheme thereof.

22. (Previously Presented) The system according to claim 12, wherein said mobile radio connection is adjusted by changing an allotted number of radio frequency timeslots thereof.

23-30. (Cancelled)